

On the Cost of Electrical and Thermal Power at
a Heat and Electric Power Plant, by P. P.
Sheremet'evskiy. UNCL

RUSSIAN, pt 1, Elek Stants, Vol XXIX, No 6, 1958,
pp 42, 43.

DSIR ILLI (loan) M.502
SLA 59-22557

Sci - Electron
Nov 59
USSR
Econ

100,746

Dynamic Strain Gauge Using Semiconductor
Triodes, by V. A. Orlov. UCL

RUSSIAN, Eng. Elec. Stand., Vol XLIX, No 6,
1958, pp 54-57.

DATA LIU RTS 1088

Sci- Engr, instrument
Jun 59

SAH 59-18121
LC

Handwritten:
Dept of Eng
US Col of Colorado
Tech. 68, 487
Denver, Colorado

On Insulation-Testing of Large Electrical Machines,
by Gerasimov, et al. UNCL

RUSSIAN, per, Elek Stant, No 6, 1958, pp 67-70.

DSIR LIU (loan) M.270

Electricity
Sci - ~~Engineering~~
Jun 59

SLA 59-19149

88,461

On the Choice of the Test Voltage and the
Frequency of Tests on the Insulation of
Electrical Machines, by B. N. Eganov. UNCL

RUSSIAN, per, Elek Stant, No 6, 1958, pp 70-72.

DSIR LLO (loan) M.271

SIA 59-19150

Sci - Electricity

Jun 59

88,462

Methods of Improving Preventive Tests for
Detecting Insulation Faults in Electrical
Machines and Recommendations to Manufacturers
Regarding Winding Assembly, by V. K.
Shibanov. UNCL

RUSSIAN, per, Elek Stant, No 6, 1958, pp 72-75.

DSIR LIU (loan) M.302

SIA 59-17162

Sci - Engr

Jun 59

88,463

DC-2192

The Economic Effectiveness of Utilizing Natural
Gas as a Fuel for Electric Power Production, by
V. G. Zhilin, 15 pp.

RUSSIAN, per, Elek Stants, No 7, Moscow, Jul 1958,
pp 2-8.

US JERS/DC-1-1232

USSR
Econ

Nov 58

73,424

Corona Investigations on Transmission Lines at
400 KV and Over, by H. P. Yemel'yanov, 12 pp.

RUSSIAN, Ser. Elek Stants, Vol XXIX, Jul 1958.
pp 60-67.

SIA 59-22531

Sci
Jan 62
Vol III, No 10

181, 262

Experience With Spacers in the Bundled Conductor
System of a Transmission Line, by B. I.
Komissarov, S. A. Skobelev, E. T. Yarovi, 9 pp.

RUSSIAN, per, Elektricheskiye Stantsii, Vol XXIX,
No 7, 1958, pp 70-73.

SLA 59-22530

Sci

Apr 61

OTS, Vol III, No 12

163,228

The Effect of Boiler Unit Characteristics
On the Most Convenient Active Load
Distribution Between Thermal Stations,
by A. N. Zlatopolskii.
RUSSIAN, per, Elek Stantsii, 1958, Vol 29,
No 8, pp 6-8.
MLL 9022.09 1964 (3618) (On Loan)

Aug 65

287,176

Superheater Tests on a High Pressure
Boiler Operating on Anthracite Fines, by
M. A. Ducl', et al. U.S.C.I.

RUSSIAN, per, Elektr. Stant, No 8, 1958,
pp 22-25.

DCIE LRU RRS 1047

10s. 04.

94,838

Soi - Eggs;
Aug 59

Temperature Conditions of a Steam-Turbine Thrust
Bearing and Its Operational Reliability, by
E. V. Trifonov, S. L. Yampol'skii.
RUSSIAN, per, Elektricheskie Stantsii, No 3, 1958,
pp 23-27.
NLL RTS 2761

Sci - ~~Chem~~ ^{EN6}
Oct 67

342,706

Changeover of a Power Station from Anthracite
Duff to Natural Gas, by A. F. Boev.
RUSSIAN, per, Elekt Stantsii, Vol 29, No 6, 1958,
pp 83-84.
NLL Ref: 9022.09 (4583)

Sci-Mech
Aug 68

363,562

Drying 400 KV Power Transformers in Their
Own Tanks, by N. B. Leonidova. USSR

RUSSIAN, per, Elektricheskaya Stantsiya, Vol
XXXX-№ 6, pp 61-63.

AS8

DCIR Lending Library Unit
M. 127

Electronics

Sci - ~~XXXX~~

Apr 59

85,116

Stable-Phase Operation of 400 KV Line Under
Stress Conditions, by P. A. Dolin. UNCL

Electrical Eng., Elek Station, Vol XXVI, No 8,
1950, pp. 65-70.

DSIR LIA M.1271

(1can)

108,403

108 - Electron
108 00

Effect of Surge Currents on the Mechanical
Properties of Concrete for Overhead Trans-
mission Line Supports, by A. Y. Korsuntsev,
S. D. Merkhalev. UNCL *6 pp*

RUSSIAN, per, ~~Elek. Stand.~~, Vol XXIX, No 8,
1958, pp 73-76.

DSIR LIT (loan) M.386

SLA 59-22454

Electricity
Sci - ~~Electronics~~
Jul 59

90,136

Khurshudyan, L. M.
RELEVADOR UNIVERSAL DE LA VELOCIDAD DE
ROTACION (Universal'noe Rale Skorosti Vrashcheniya)
(Universal Rotating Speed Relay). Sp. CID: 62-245.
Order from OTS, ETC or CID \$0.80 62-29245

Trans. in Spanish of Elektricheskie Stantsii (USSR)
1958 [v. 29] no. 8, p. 83-84.

DESCRIPTORS: Rotation, Velocity, *Relays,
*Electric relays.

(Engineering--Electrical, TT, v. 10, no. 8)

62-29245

I. Khurshudyan, L. M.
II. CID-62-245
III. Centro de Información
y Documentación, Madrid
(Spain)

Office of Technical Services

New Design of Electric Drive for Remote Control of
Fittings, by I. I. Kosolapov, S. G. Perkin.

RUSSIAN, per, Elektricheskie Stantsii, No 9, 1958,
pp 7-11.

DSIR LLU M.1527
(loan)

Sci - Engr

Sep 60

125,584

No Rpt Trans, Comm and Elec Power in USSR, No 11.

Long Distance Electric Power Transmission, by
S. S. Rokotyan.

RUSSIAN, per, elektricheskiye Stantsii, No 9,
Moscow, Sep 1958, pp 8-13.

USSR

Econ - Electric power
Nov 58

75, 823

Regulation for Uniflow Boiler-Turbine Blocks,
by I. I. Gal'perin.

RUSSIAN, per, Elektricheskie Stantai, No 9,
1958, pp 12-19.

DSIR LLU M.1528
(loan)

Sci - Engr

Sep 60

125,582

Protective Screening of Light-Current Cables
Against Dangerous Interference From Effects of
110 Kv Cables, by V. M. Ivanov, V. V. Kubikov,
UECL

RUSSIAN, per, Elek Stants, No 9, 1958,
pp 40-43.

DBIR LLU RTS 1217

(10s. Od.)

Sci - Electronics
Dec 59

102,498

Description of the Construction and Operation of a
Voltage Filter-Relay Without Separate Filter, by
A. A. Voskresenskiy. UNCL

RUSSIAN, per, Elek Stant, No 9, 1958, pp 47, 48.

DSIR LIU (loan) N.304

Sci - Electric
Jun 59

SIA 59-19162

88,464

Earth Fault Signalling Relay in the Excitation
Circuit of a Hydraulic Generator, by V. V. Mikhailov
UNCL

RUSSIAN, per, Elek Stant, No 9, 1958, pp 50-52.

SIA 54-19152
DSIR LIU (loan) M.273

Sci - Electric
Jan 59

88,465

R-900

(DC-2501)

Experience Gained in Operating Distributing
Unit Sets in A City Cable Network, by L. P. Smirnov
7 pp.

RUSSIAN, per, Elek Stants, No 9, 1958, pp 52-55.

JPRS-760-D

USSR
Econ
Jul 59

90,904

Causes of Crack Formation in Welded Joints of
Steam Apparatus, by K. E. Ostrovskiy.

IX

RUSSIAN. Ser. Sizk Stantsiy, vol XXX, NO 10,
1958, pp 21-27, 5-9.

U.K. Atomic Energy Authority
Reading, RG6 2BH

Del. 112
Nov 61

112, 421

Seasonal Fluctuations in Moisture Content and
Dielectric Strength of Insulating Oil in
Transformers in Service, by B. P. Glushkov,
V. V. Puchkovskiy, 5 pp.

RUSSIAN, per, Elektricheskiye Stantsii,
Vol XXIX, No 10, 1958, pp 55-57.

SLA 60-13636

Sci
Apr 61
OTS, Vol III, No 12

163,229

Operating 35-220 kV Electric Systems, by A. M.
Sherentsis. URCL

RUSSIAN, per, Elek Stants, Vol XXIX, No 10,
1958, pp 58-64.

DSIR LIU M.1298

(loan)

Sci - Electron

Apr 60

112,674

Insulator Wet Flashover Characteristic,
by Merkhalev.

RUSSIAN, per, Elektricheskie Stantsii,
Vol XLIX, No 11, 1958, pp 54-59.

EXX CSIRO

Sci - Electricity
Jul 62

204.896

... rotor, slide sampling mechanism in a
... rotor with an electric liner, by
... .. 1960.

... .., per, Dick Starns, Vol XXIV, No 11,
... .., pp 35-36.

NOIN 1111 H. 1171

(1000)

Sci - Engr

Feb 60

108,404

Bolted Aluminum-Copper Contact Joints, by
V. P. Golubeva. UCL

RUSSIAN, per, Elek Stants, No 12, 1958, pp 42-48.

Sci - Electron DSIR LUU (loan) M.822

Sci - Electron
Nov 59

100,751

ASSEMBLY OF A HOLLOW ALUMINUM BUS-BAR BLOCK BY
MEANS OF A.C. ELECTRIC ARC WELDING, BY
V. V. SOLOTAREV.

RUSSIAN, see, Elec Stant, Vol XXIX, No 12,
1958, pp 68-69.

MT Trans-25

Sci
Jan 62

178,472

VFI Furnaces With High Slag Recovery,
by Yu. L. Marshak, V. P. Romadin. UNCL

RUSSIAN, per, Elek Starty, Vol XXX, 1959,
pp 2-8.

DSIR LIU M.972

(loan)

Sci - Electron

112,673

Apr 60

Enlarging of a Large GRES, by S. S. Rakita,
(transpor, comman and elec power in the USSR --
18).

RUSSIAN, per, Elektricheskiye Stantsii, No 1,
Moscow, 1959, pp 11-17.

USSR
Econ - trans, comm, electric power

Jul '59

92, 172

Electronics/Good Conductor Joints, by W. M.
Soyuz. 1951

Translation, from, and High State, No 1, 1953,
pp 65-70.

DSIR LRU R.1203

(1000)

Sci - Electron
Jan 60

108,401

Some Requirements for Wire Equipment for
Generators, by V. L. Shargorodakiy. UNCL

RUSSIAN, per, Elek Stants, Vol XXX, No 2, 1959,
pp 55-58.

DSIR LLO (loan) M.838

Sci - Engr; Electron
Nov 59

100,745

Comparison of Electric Power Transmission Cost with
the Cost of Fuel Transportation, by B. L. Erikhman.

RUSSIAN, per, Elektricheskiye Stantsii, No 2, 1959
pp. 90-91.

FID/Transportation Communications,
and Electric Power in the USSR,
No 19.

USSR
Econ
Aug 59

93,908

Evaluation of Devices for Taking Steam Samples
by N. A. Mozharov, 9 pp.

RUSSIAN, per, Elektricheskiye Stantsii,
Vol XXX, No 3, 1959.

Dept of Interior
TGT 857 No 44

OTS 63-15477

Sci - Engr
Feb 63

221,408

Organization of Repairs at Electric Power
Stations of Mosenergo, by M. Ya. Ufayev,
(transpor, comm and elec power in the
USSR -- 18).

RUSSIAN, per, Elektricheskiye Startsi,
No 3, Moscow, 1959, pp 12-16.

USSR
Econ - trans, comm, electric power

Jul 59

92, 171

(NY-2900/2).

(Hydrogenerator)

~~The Quality of the Insulation of Hydrogenerators
Made by the Ural Elektromashinostroy Plant, by V. A.
Aleksandrov, M. A. Gladkikh, 4 pp.~~

RUSSIAN, per, Elektricheskiye Stantsii, No 3,
1959, pp 51-53.

JPRS-1798-N

DIR 124 10 1959

USSR
Econ
Jul 59

93,096

On the Choice of Dimensions for the Exhaust
Section and Condenser of a Turbine, by L. D.
Berman, Ya. M. Rubinshtein.

RUSSIAN, per, Elek Stantsii, No 4, 1959,
pp 25-30.

DSIR LLU M.1999
(loan)

Sci - Engr

128,903

Oct 60

Farforovskii, B.S.
PROYECTO Y CONSTRUCCION DE TORRES INDUS-
TRIALES PARA LA REFRIGERACION DEL AGUA
(Proektirovanie i Stroitel'stvo Bashennikh Gradiren)
(Design and Erection of Industrial Scale Water
Cooling Towers). 11p. CID:63-396.
Order from OTS, ETC or CID \$1.60 TT-63-26796

Trans. in Spanish of Elektricheskie Stantsii (USSR)
1959, v.30, no.4, p.37-39.

DESCRIPTORS: Design, Construction, *Towers,
*Water, *Refrigeration systems.

(Engineering--Mechanical, TT, v. 11, no. 11)

TT-63-26796

- I. Farforovskii, B.S.
- II. CID 63-396
- III. Centro de Información
y Documentación,
Madrid

Office of Technical Services
European Translations Centre

Methods of Balancing the Rotors of Large
Synchronous Condensers, by M. A. Branovskiy,
V. Yu. Avrukh.

RUSSIAN, per, Elektricheskiye Stantsii, No 4,
1959, pp 40-46.

DSIR LLU M.1994
(loan)

Sci - Engr

Oct 60

130,759

Directions of the Development and Problems of Making
District Heating More Economical, by L. A. Malent'yev,

RUSSIAN, per, Elektricheskiye Stantsii, No 5, 1959,
pp 2-8.

Transp, Comm, and Elec
Power in USSR, 21

Econ

Oct 59

98,703

The Conversion of Boilers to Natural Gas Firing,
by G. I. Zemlyanski.
RUSSIAN, per. Elektricheski Stantsii, Vol 29,
No 5, 1958, pp 17-28.
MLL 9022.09 (4436)

Sci-Nucl Sci
Nov 67

345,366

Testing of the Inter-Turn Insulation of High-
Voltage Electrical Machines, by V. S. Zhdanov.
UNCL

RUSSIAN, per, Elek Stants, No 5, 1959,
pp 52, 53.

DCIR LIU N.1329

(loan)

Sci - Electronics
Apr 60

112,677

**Increasing the Effectiveness of Preventive
Tests on the Insulation of Electrical Machines,
by Z. M. Ginsburg. USCL**

**RUSSIAN, per, Elek Stants, No 5, 1959,
pp 54, 55.**

SLA 60-17225-
DETR ILLI M. 1403

(loan)

**Sci - Electron
May 60**

116,640

<p>Tatarinov, V. P. and Nikolenko, I. A. VARIATION IN APPARENT AND ACTUAL BOILER- WATER LEVELS DURING EXPANSION. [1960] 6p. C. E. Trans. 1555; M1741. Order from LC or SLA ml\$1.80, ph\$1.80 61-13076</p> <p>Trans. of Elekt[richenkiye] Stantall (USSR) 1959, v. 30, no. 6, p. 5-7.</p> <p>Experimental data indicate that, when the lower tube of the water gauge is connected at the lowest possible position, the apparent (gravimetric) level varies during expansion as a function of the composition of the boiler water and of the load on the evaporation level.</p> <p>(Engineering--Mechanical), TT, v. 5, no. 2)</p>	<p>61-13076</p> <p>I. Feed water--analysis I. Tatarinov, V. P. II. Nikolenko, I. A. III. CE Trans-1555 IV. D. R. LLJ M. 1741 V. Central Electricity Generating Board (Gt. Brit.)</p> <p>142,867</p> <p>Office of Technical Services</p>
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Drying Wetted Stator Windings of the Large
Water-wheel Generators After Installation,
by G. G. Birsbert, I. K. Sevryugin. USCL

RUSSIAN, per, Elek Stants, No 6, 1959,
pp 38-41.

SNH 60-17219
D&IR LLU N.1396

(loan)

Sci & Electron
May 60

116,519

Conditions, by Yu. I. Azbukin, O. H. Agafonova.
UNCL

RUSSIAN, per, Elek Stants, No 6, 1959, pp 79-82.

DSIR LIU M.983

(loan)

Sci - Electron

Mar 60

111,121

<p>Shmukler, B. I. and Shafan, E. V. STARTING A ONCE-THROUGH BOILER-TURBINE UNIT ON A SLIDING SYSTEM. [1961] [15] p. 2 refs. C. E. Trans. 1819; [DSIR LLU] M. 3177. Order from OTS or SLA \$1.60 61-27494</p> <p>Trans. of <u>Elektricheskie Stantsii</u> (USSR) 1959, v. 30, no. 7, p. 8-12.</p> <p>DESCRIPTORS: *Boilers, *Turbines, Starting.</p> <p>(Engineering--Mechanical, TT, v. 6, no. 8)</p>	<p>61-27494</p> <p>I. Shmukler, B. I. II. Shafan, E. V. III. CE Trans-1819 IV. DSIR LLU M. 3177 V. Central Electricity Generating Board (Gt. Brk.)</p> <p>185267</p> <p>Office of Technical Services</p>
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Deaeration of Make-up Water in Turbine
Condensers, by G. D. Bukhman.
RUSSIAN, per, Elekt Stantsiy, Vol 30,
No 7, 1959, pp ~~30~~41.
NLL Ref: 9022.09 (4876)

CEGB h 4876

Sci-Energy Con
May 69

380,731

Bonus System for Workers in Power Undertakings,
by B. V. Gorokhov, et al. UNCL

RUSSIAN, per, Elek Stants, Vol XDC, No 7, 1959,
pp 42-44.

DSIR LLU W.1247

(loan)

USSR
Econ
Mar 60

111,122

Rotor End-Bells in Aluminum Alloys, by
N. M. Rabinovich.

RUSSIAN, per, Elektricheskiya
Stantsii, No 7, 1959, pp 49-52.

NIL M.3319

Sci - Min/Met

Feb 62

186,591

Dorokhov, G. T.

AUTOMATIC DETERMINATION OF THE COMBUSTIBLES CONTENT IN FLUE GAS. [1960] 6p.
C. E. Trans. 1614; M1942.

Order from LC or SLA m\$1.80, ph\$1.80 61-13325

Trans. of Elekt[richeskiye] Stantsii (USSR) 1959,
v. 30, no. 7, p. 80-82.

An apparatus is described for measuring the content of unburnt fuel in the flue gas of boilers. The apparatus is based on the photoelectric effect.

(Engineering-Chemical, TT, v. 5, no. 2)

61-13325

- I. Combustion chamber gases--Analysis
2. Coal gas--Analysis
3. Title: Smoke analyzers
- I. Dorokhov, G. T.
- II. CE Trans-1614
- III. OSIR L133 M.1942
- IV. Central Electricity Generating Board (Gr. Brit.)

Office of Technical Services

New Equipment for Transmission Lines With Bundle
Conductors, by Yu. Ye. Grigoryev.

RUSSIAN, per, Elek Stantsii, Vol XXX, No 8,
1959, pp 37-40.

DSIR LLJ M.1792
(loan)

Sci - Engr

128,892

Oct 60

governing of Large Modern Steam Turbines. I,
by I. I. Galperin.

RUSSIAN, per, Elek Stantail, Vol XXX, No 9,
1959, pp 20-26.

DSIR LLU M.1941
(loan)

lci - Engr

ext 60

128,898

Detecting Inter-Turn Short-Circuits
in the Exciting Windings of Turbo-
Generators by Means of the Vector Method,
by G. S. Degil'. UNCL

RUSSIAN, per, Elek Stants, No 9, 1959,
pp 42-45.

DSIR LIU M.1322

(loan)

Sci - Electron
May 60

116,639

On the Question of the Detection of Inter-Turn
Short-Circuits in the Rotor Windings of Turbo-
Generators, by F. F. Deryugin, A. D. Bulitko.

UNCL

RUSSIAN, per, Elek Stants, No 9,
Elek Stants, No 9, 1959, pp 45-47.

DSIR LIU N.1321

(loan)

116,638

Sol - Electron
May 60

Bron, O. B., Obraztsov, V. A., and Bron, Ye. M.
 A SERIES OF AUTOMATIC DEVICES FOR MAGNETIC FIELD SUPPRESSION. [1960] 14p. 9 refs.
 C. E. Trans. 1584. M2061.
 Order from LC or SLA m\$2.40, ph\$3.30 61-13420

Trans. of Elekt[riheckiye] Stantall (USSR) 1959, v. 10, no. 9, p. 43-54.

- Automatic field suppressors of the new series have massive main contacts with silver mating surfaces and reliable mechanical and arc suppressing systems. They are not polarized, and they can be connected for operation without a preliminary forming. The suppressors of the new series for large machines are connected to both poles of the excitation circuit. This increases the reliability of field suppression and sometimes makes it possible to abandon a second device for field suppression. In the excitation circuit of the exciter. The duration of field suppression is determined mainly by the damping time of eddy currents, excited (Engineering-Electrical, TT, v. 5, no. 2) (over)

61-13420

1. Suppressors--Design
2. Magnetic fields--Reduction
3. Generators--Equipment
- I. Bron, O. B.
- II. Obraztsov, V. A.
- III. Bron, Ye. M.
- IV. CE Trans-1584
- V. DSIR LLU M 2061
- VI. Central Electricity Generating Board (C. Brit.)

Office of Technical Services

TT-64-13111

Bazhenov, S. A., Pimenov, V. P., and Sobin, M. R.
VERIFICATION OF SOME QUESTIONS RELATED TO
D-C POWER TRANSMISSION USING THE "CON-
DUCTOR-GROUND" SYSTEM ON THE KASHIRA-
MOSCOW EXPERIMENTAL TRANSMISSION LINES
A. A. Ostpovich, tr. 25 Oct 63 [22p] 7refs
Order from OTS, SLA, or ETC \$2.60 TT-64-13111

- I. Bazhenov, S. A.
- II. Pimenov, V. P.
- III. Sobin, M. R.
- IV. Bonneville Power Adminis-
tration, Portland, Ore.

Trans. of Elektricheskie Stantsii (USSR) 1959 [v. 30]
no. 9, p. 54-59. (Abstract available)

DESCRIPTORS: *Direct current, *Transmission lines,
Underground structures, *Ground (Electrical),
Electrical properties, Tests, *Electrical equipment.

In operating the Kashira-Moscow underground cable
direct current transmission utilizing ground as the
return conductor, verification was obtained of the nature
of current distribution sheathing cables placed near
(Engineering--Electrical, TT, v. 11, no. 11) (over)

Office of Technical Services

The Insulation of 30-220 kV Transmission Lines in
Localities With Polluted Atmospheres, by O. G.
Vekselman.

RUSSIAN, per, Elek Stantsii, Vol XXX, No 9, 1959,
pp 57-60.

DSIR LIJ M. 1943
(loan)

Sci - Electricity

128,889

Oct 60

Complete Automation of New Unit Power Stations,
RUSSIAN, per, Elek Stantsii, No 10, 1959, pp 10-15.

MLL M. 3233

075 00-15257

Sci - Engr

189, 814

Apr 62

62-15251

COMPLETE AUTOMATION OF NEW UNIT POWER STATIONS (O Kompleksnoi Avtomatizatsii Novykh Blochnykh Elektrostantsii) tr. by V. Burdon.
10 Mar 61 [14]p. 3 refs. Trafford Park trans.
no. 2756; [DSIR NLL] M. 3233.
Order from OTS or SLA \$1.60 62-15251

Trans. of Elektricheskie Stantsii (USSR) 1959
[v. 30] no. 10, p. 10-15.

DESCRIPTORS: *Power plants, *Automation, Control systems.

(Engineering--Electrical, TT, v. 7, no. 8)

- I. AEI TP/T-2756
- II. DSIR NLL M. 3233
- III. Associated Electrical Industries Ltd. (Gt. Brit.)

Office of Technical Services

Preventing the Corrosion of Air Preheaters After
Conversion of Boilers to Natural Gas Operation,
by S. A. Potrosyan, P. N. Balyaev.
RUSSIAN, per. Elekt Stantsii, Vol 30, No 10,
1959, pp 20-22.
NLL Ref: 9022.09 (4611)

Sci-Mat
Aug 68

363.558

R-900

(NY-3309).

↓
Electric Power Costs at Large Thermal Electric
Power Stations, by A. Ya. Avrukh, 8 pp.

RUSSIAN, per, Elek Stants, No 10, 1959, pp 35-38.

JPRS-L-1171-N

USER

Econ - Electric power

Feb 60

107,995

Joint Run-Down of a Turbo-Generator and House
Auxiliary Equipment Driven by Synchronous Motors,
by O. V. Livanova.

RUSSIAN, per, Elek Stantsii, No 10, 1959, pp 47-53.

NLL M. 3333

Sci - Engr, Electron

191,924

Apr 62

Self-synchronization of Generators From Zero
During Restoration of Voltage \bar{E} in Power
System, by L. V. Krasil'nikov, V. K. Meshkov,

15pp

RUSSIAN, per, Elek Stants, No 11, 1959,
pp 33-41.

RAE 427

ERDL, Ft Belvoir

T-1261

075 TT 65-24318

157,993

Sci

Jun 61

Lysakovskiy, G. I.
NEW CHARACTERISTICS FOR OUTDOOR INSULA-
TORS. [1960] (7) p. 2 refs. C. E. Trans. 1634;
[DSIR LLU] M. 2321.
Order from LC or SLA mi\$1.80, ph\$1.80 61-15463

Trans. of Elekt[richeskiye] Stantsii (USSR) 1959,
v. 30 [no. 11] p. 0062.

The values of the flashover voltage and resistance
under conditions imitating fog and drizzle should be
introduced as additional characteristics of insulators
intended for external installations. (Author)

(Engineering--Electrical, TT, v. 5, no. 12)

61-15463

I. Electric insulators--
Effectiveness

- I. Lysakovskiy, G. I.
- II. CE Trans-1634
- III. DSIR LLU M 2321

16661.

Office of Technical Services

Are Flanges Necessary for Medium and Low-
Pressure Pipelines, by V. L. Poshekhonov.

RUSSIAN, per, Elektricheskiye Stantsii,
No 12, Dec 1959, pp 15, 16.

ERDL Ft Belvoir
T-1100

Sci - Engr

155265

Jun 61

**Causes of Crack Formation in Welded Joints
of High Pressure Pipe Conduits and Measures
of Avoiding Them, by S. S. Yakobson.**

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Vol XXX, No 12, 1959, pp 30-35.**

**ERDL Ft Belvoir
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Sci - Engr

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Jun 61

(NY-3439)

Electric Power Engineering in Poland and Prospects of
Its Development, by Engr S. I. Minorski, 13 pp.

RUSSIAN, per, Elektricheskiye Stantsii, Vol XXX, No 12,
Moscow, 1959, pp 66-71

JPRS 2338

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EEur - Poladn
Econ -
Jan 60

Drying Transformers With Short-Circuited Loops by
Zero-Sequence Currents, by A. I. Pashmin, A. A.
Pyastolov.

RUSSIAN, per, Elek Stantsii, No 12, 1959, pp 76-78.

MLL M. 3331

Sci - Electron

191,925

Apr 62

On Some Causes of Increased Vibrations in
Synchronous Multi-Pole Machines, by V. Yu.
Avrukh.

RUSSIAN, per, Elek Startsi1, No 1, 1960, pp 38-41.

MLL N. 3229

SLA 62-15249

Sci - Engr

Apr 62

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Conversion of TV 2-100-2 Turbo-Generators in
Operation With Increased Hydrogen Pressure, by
R. A. Marinov, D. G. Speranskiy.

RUSSIAN, per, Elek Stantsii, Vol XXXI, No 1,
1960, pp 81, 82.

DSIR LLU M.1802
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Sci - Engr

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A Two-Channel Set for High-Frequency Communication
Using Electric Power Lines, by V. G. Kagan,
E. U. Lubman, 6 pp.

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1960, pp 78-81. 966429*

FID-ET-61-16

Sci - Electron

19 Mar 62

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Investigation of a Dust System With a Drum-Type
Ball ~~XXXX~~ Mill, Operating on Lean Coal, * With
Supplementary Blowing of the Returns, by S. P.
Tsigankov.

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XXXI, No 3, 1960, pp 10-17.

Dept of Interior
EN7 B57 No 551
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Sci - Min/Met
Engr
Oct 62

HERMETIC SEALING OF TUBE PLATES OF STEAM TURBINE
CONDENSERS, BY L. D. BERMAN, S. N. FUKS.

RUSSIAN, PER, ELEK STANTSII, NO 4, 1960, PP 32-36.

NLL M. 3863

SCI - ENGR

NOV 62

217,682

<p>Zvezdkin, V. I., Izraelit, G. B. and others. EFFECT OF THE DIELECTRIC PROPERTIES OF TRANSFORMER INSULATION (Vliyanie Dielektri- cheskikh Svoistv Transformatornogo Masla na Electr- cheskuyu Prochnost' Izolyatsii Transformatorov) tr. oy V. Burdon. 30 Aug 60 [15]p. (foreign text included) 7 refs. Trafford Park trans. no. 2867; [DSIR LLU M. 2659] Order from OTS or SLA \$1.60 61-23958</p>	<p>61-23958 I. Zvezdka, V. I. II. Izraelit, G. B. III. AEI TF/L-2867 IV. DSIR LLU M. 2659 V. Associated Electrical Industries, Ltd. (Gr. Brit.)</p>
<p>Trans. of [Elektricheskie Stantsii] (USSR) 1960 [v. 31] no. 4, p. 60-64. Another trans. is available from ATS \$13.50 as ATS-85N48R [1961] 8p.</p>	<p>ATS-RJ-2889 87331</p>
<p>DESCRIPTORS: *Dielectric properties, *Electric insulation, *Transformers, *Oils. Theoretical data, experimental data, and operating (Engineering--Electrical, TT, v. 6; no. 10) (over)</p>	<p>Office of Technical Services</p>

Improvement of Ventilation in the Rotor End
Windings of a Turbo-Generator, by S. I. Khazan.

RUSSIAN, per, Klek Startsi1, No 4, 1960, pp 81-82.

MLL M. 3228

OTS 62-15250

8:1 - Engr

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Apr 62

Analysis of the Data From Ageing in Operation of the
Stator Insulation of a Large Turbo-Generator, by
A. V. Gristenko, G. I. Lysakovskiy.

RUSSIAN, per, Elek Stantsii, No 4, 1960, pp 82-85.

NLL N. 3334

Sci - Engr

191,922

Apr 62

Defects in the Soldered Connections of a Turbo-Generator Stator Winding and Preventive Measurement, by Ya. S. Urintsev.

RUSSIAN, per, Elek Stantsii, No 4, 1960, pp 85-87.

ILL N. 3336

Sci - Electron

192,323

Apr 62

Tests on TV2-100-2 Turbo-Generators With AQP-1
Automatic Field Extinction Devices, by E. S. Gaba,
I. N. Petrushevskiy.

RUSSIAN, per, Elek Startsi, No 4, 1960, pp 87-89.

NLL M. 3335

Sci - Engr

191, 921

Apr 62

Standard Plans for the Thermal Power Stations
to be Constructed During the Period 1959-1965,
by V. G. Zhilin, A. M. Nekrasov.

RUSSIAN, per, Elektricheskiye Stantsii, No 6,
1960, pp 8-24.

NLL M. 2658

BSSR
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Dec 61

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<p>Degil', G. S. METHODS OF DETECTING INTER-TURN FAULTS IN THE FIELD WINDINGS OF SYNCHRONOUS MA- CHINES (Metody Obnaruzheniya Vitkovykh Zamykanii v Obmotkakh Vozbuzhdeniya Sinkhronnykh Mashin) tr. by D. R. H. Phillips. 27 Mar 61 [12] p. 3 refs. Traf- ford Park trans. no. 2871; [DSIR LLU] M. 3227. Order from OTS or SLA \$1.60 61-27623</p>	<p>61-27623</p> <p>I. Degil', G. S. II. AEI TT/T-2871 III. DSIR LLU M. 3227 IV. Associated Electrical Industries, Ltd. (Gr. Brit.)</p>
<p>Trans. of Elek[tricheskie] Stanitsi (USSR) 1960 [v. 31] no. 6, p. 60-64.</p>	<p>185612</p>
<p>DESCRIPTORS: Detection, Electric machinery, Elec- trical equipment, *Coils, *Wiring diagrams, *Syn- chros, *Wire winding machines, Machines</p>	<p>Office of Technical Services</p>
<p>Universal methods, methods only applicable when the rotor is in motion, and methods only applicable when the rotor is stationary are discussed. (Engineering--Electrical, TT, v. 6, no. 9)</p>	

A New Method of Supervising Bearing Currents of
Turbo-Generators, by L. D. Klapchuk.

RUSSIAN, per, Elek Stantsii, No 6, 1960, pp 78-79.

NLL M. 3337

Scd - Electron

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Apr 62

Working Project for the TVM-60 Turbogenerator, by
K. K. Chernev.

RUSSIAN, per, Elektricheskiye Stantsii, No 6, 1960,
pp 90-91.

NLL M 8823

Sci - Engr
Mar 63

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Stopakii, S. B.
WATER-TURBINE BLADE VIBRATION, [1961] [10]p.
2 refs. C. E. Trans. 1898: [DSIR LLU] M4065.
Order from ODS or SLA \$1.10 61-28194

Trans. of Elekt[ichesk]e Stantsii (USSR) 1960, v. 31,
no. 7, p. 17-20.

DESCRIPTORS: Water, Turbines, Operation, *Turbine
Blades, Vibration.

The vibrations caused by the hydrodynamic phenomena
during the operating run of a water turbine wheel are
considered, and a spectral-acoustic method for the
determination of these vibrations is outlined. (Author)

(Machinery--Engines, TT, v. 6, no. 12)

61-28194

I. Stopakii, S. B.
II. CE Trans-1898
III. DSIR LLU M. 4065
IV. Central Electricity
Generating Board
(Gt. Brit.)

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THE RUPTURE OF COOLING TUBES IN STEAM TURBINE
CONDENSERS, BY S. N. FUKS.

RUSSIAN, PER, ELEK STANTSII, NO 7, 1960, PP 20-25.

NLL M. 3860

SCI - ENGR, CHEM

NOV 62

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Asynchronous Running of Synchronous Generators, by L. G. Masikonyants and I. A. Syromyatnikov,
RUSSIAN, per, Elektricheskie Stantsiy. Vol
XXXI, No 7, 1960, pp 42-46.
NLL RTS 2857 (On Loan or Purchase)

Sci-Electr
Apr 67

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Burgdorf, V. V., Egorova, L. V. and others.
CORONA LOSSES ON THE EHV TRANSMISSION
LINES. [1961] [13]p. 5 refs.
Order from OTS or SLA \$1.60

61-10669

Trans. from Elektricheskie Stantsii (USSR) 1960
[v. 31] no. 8.

DESCRIPTORS: *Electrical corona, *Transmission
lines, Climatic factors, Electrical equipment, Trans-
formers, High frequency, Radio communication
systems, Electronic circuits, Mathematical analysis.

(Engineering--Electrical, TT, v. 7, no. 8)

61-10669

I. Burgdorf, V. V.
II. Egorova, L. V.

Office of Technical Services

(DC-4600/2)

Some Problems of Long-Distance Electrical Power
Transmission, by A. B. Krikunchik, B. S. Rukotyan,
Yu. A. Yakub, 8 pp.

RUSSIAN, per, Elektrich Stantsii, No 8, 1960,
pp 48-54.

JPRS 6613

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Standardized Reinforced Concrete Intermediate
Supports for 35, 110 and 154 kV Transmission
Lines, by B. I. Ravin.

RUSSIAN, per, Elektricheskiye Stantsii,
Oct 1960, pp 55-59.

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Sci
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Berezovskii, A. F.
TESTING THE DIFFERENTIAL PROTECTION OF
PARALLEL-CONNECTED TRANSFORMERS. [1961]
[6]p. C. E. Trans. 1982; [DSIR LLU] M4037.
Order from OTS or SLA \$1.10 61-28192

Trans. of Elekt[richeskie] Stanitsi(USSR) 1960, v. 31,
no. 8, p. 81-83.

DESCRIPTORS: Operation, *Transformers, *Electric
connectors, Electrical equipment, Electric currents,
Circuits, Test equipment, Voltmeters, Switching
circuits, Load distribution.

In testing the differential protection of newly connected
transformers, difficulties often occur because the load
at the start of operation is very small. These diffi-
culties can be avoided, in the case of two trans-
formers, by creating an equalizing current between
them. A description is given of a test of this kind at a
(Engineering--Electrical, TT, v. 6, no. 12) (over)

61-28192

- I. Berezovskii, A. F.
- II. CE Trans-1982
- III. DSIR LLU M 4037
- IV. Central Electricity
Generating Board
(Gt. Brit.)

201/84

Office of Technical Services

Conditions Under Which Ferric Oxides Penetrate
Into Boilers and Methods for Prevention of Scale
Formation, by L. A. Meyer (Meier), N. N.
Man'kina, T. M. Kaluzhskaya, 11 pp.

CFST1 AFS-45R76R
RUSSIAN, per, Elek Stantsii, Vol XXXI, No 9,
1960, pp 6-10. 7-78177

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Sci - Chem

Sep 62

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(DC-4600/2)

Comparison of the Economic Efficiency of Power
Transmission and Fuel Transport, by M. M. Albegov,
13 pp.

RUSSIAN, per, Elektrich Stantsii, No 9, 1960,
pp 30-35.

JPRS 6613

USSR
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Damage to Conductors With Insulation Flash-
over on 35-220 kV Lines, by V. H.
Andrievskiy.

RUSSIAN, per, Elektricheskiye Stant,
VOL XXXI, No 9, 1960, pp 54-59.

NLL M.4260

Sci - Electricity

Apr 62

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The Making of Contracts for Control Cables
with Aluminium Conductors, by
M. Ya. Kaganovich,
RUSSIAN, per, Elekt. Stantsiy, Vol XXXI,
No 9, 1960, pp 61-65.
MLL 8662.8 1965 (B-DM-251-65)

Sci-Electr & Elect Engr
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On the Economics of Gas-Burning TES, by I. N. Oranskiy,
A. Kh. Khamidov, *2 pp.*

RUSSIAN, per, Elektricheskiye Stantsii, No 9, 1960,
p 81.

**JPRS 6613*

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INSTRUCTIONS ON THE PREPARATION OF IMPV. (OIL
POLYISOBUTYLENE VASELINE) SEALING COMPOUND FOR
HIGH VOLTAGE BUSHINGS.

RUSSIAN, PER, ELEK STANTSII, VOL XXXI, NO 9, 1960,
PP 9L-93.

NLL M. 3865

SCI - ELECTRON

OCT 62

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Governin^g of Large Steam Turbines, by V. N.
Veller.

RUSSIAN, per, Elek Startsi1, Vol XXXI, No 10,
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NLL M. 4812

Sci - Engr

Jul 62

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